

Application No. 10/080,625
Response to Office Action

Customer No. 01933

Amendments to the Specification:

Please amend the paragraph at page 11, lines 13-23, as follows:

FIG. 1 is a general view showing an electrical and electronic equipment housing cabinet having a frame joining structure of the invention, and FIG. 2 is an exploded, perspective view showing an embodiment ~~form~~ of the invention ~~as claimed in claim 2~~. As shown in FIG. 1, a hexahedron-shaped framework of the electrical and electronic equipment housing cabinet is composed of twelve frames 12. Respective corners are composed of three orthogonal frames (vertical frame 1a, width frame 1b, depth frame 1c). In this embodiment form, the three frames have the same cross-sectional shape.

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Please amend the paragraph at page 14, lines 3-14, as follows:

FIG. 4 is a perspective view showing an alternate embodiment ~~according to claims 1, 4, 5 and 6 of the present invention~~. In ~~the~~ this embodiment, a vertical frame 1a is provided on both sides of an outward face 4 thereof with obliquely extending draining portions 5, 5 while a width frame 1b and a depth frame 1c are provided only on a lower side of an outward face 4 with a draining portion 5 and on an upper side of the outward face 4 with a horizontal surface 14. With such structure, panels at a roof surface and a bottom surface of the cabinet are easy to install. However, the structure has the same configuration and joining construction of ends as those shown in FIG. 2.

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Please amend the paragraph at page 14, lines 15-22, as follows:

~~FIGS. 5 and 6 are perspective views showing an embodiment according to the invention of claim 2. According to the invention of claim 2,~~ As shown in FIGS 5 and 6, a corner member 20 shown centrally in FIG. 5 ~~is~~ may be used as a corner. The corner member 20 has the same configuration as that constituted by the above three frames 1a, 1b, 1c and is embedded in a corner portion. Surfaces of the corner member are covered by ends of the outward faces 4 of the three frames 1a, 1b, 1c.

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Please amend the paragraph at page 14, lines 23-34, as follows:

When the corner member 20 ~~as in the invention of claim 2~~ is used, only edge portions at the ends of the respective frames 1a, 1b, 1c suffice to be welded to the corner member 20, so that short weld distances serve, and the frame on both sides and the corner member 20 can be welded at a time to reinforce the corner portion, whereby the waterproof property and strength are both improved ~~with advantage~~. Also, even if some error is involved in cutting accuracy of the ends, it does not matter because the corner member 20 is present inside. In addition, the draining portions 5 of the respective frames are joined at ends thereof to form continuous water passages.

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Please amend the paragraph at page 14, line 35, to page 15,
line 10, as follows:

In the embodiments described above, the ends of the outward face of the three frames 1a, 1b, 1c are directly joined to one another to form a corner portion. However, ~~according to the invention of claim 3~~ as shown in FIG. 7, after respective frames 1a, 1b, 1c are cut at two planes of $\pm 45^\circ$ as in the above embodiments, only ends of outward faces ~~are~~ may be cut ~~perpendicular~~ perpendicularly to a lengthwise direction, and so the corner member 20 ~~according to the invention of claim 2 is~~ may be centrally exposed. That is, ~~with the invention of claim 3,~~ a configuration of the ends of the above-mentioned outward faces 4 is constituted by a trigonal pyramid shaped corner member 20 exposed to outside of the frame.

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Please amend the paragraph at page 15, lines 11-21 as follows:

~~With the invention of claim 3,~~ As shown in Fig. 7 the central portion of the corner member 20 ~~used in the invention of claim 2 is~~ may be exposed, so that ends of the outward faces of the respective frames 1a, 1b, 1c are welded to the corner member 20 in a triangular fashion. In the invention, the corner portion is reinforced by the corner member 20 to be enhanced in both waterproof property and strength, which presents an advantage that strict cutting dimensions are not required. In addition, the above-mentioned oblique angle 45° includes an error of and modification of several degrees in the tolerance.

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Please amend the paragraph at page 21, line 32, to page 22,
line 1, as follows:

A vertical frame of a third form shown in FIG. 26
comprises steps C14 on sides C1, C2. ~~It goes without saying
that the~~ The vertical frame in any form is provided with all
~~the constitution according to the invention of claim~~ has the
basic shape shown in FIG. 1, and so the same reference
numerals are used to denote the corresponding parts, an
explanation therefor being omitted.

Please amend the paragraph at page 29, lines 12-18, as
follows:

~~In the invention according to claim 9, draining~~
Draining portions are provided on both sides of a hollow
portion, which is triangular in cross section, to abut
obliquely against the outer wall of a cabinet, so that
packings are included in the portions to enable providing
for sealing of the draining portions between them and the
outer walls of a cabinet such as a door, side plates and the
like.

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Please amend the paragraph at page 29, lines 19-25, as follows:

~~In the invention according to claim 10, the~~ The
plate-shaped equipment mount sides are formed with equipment
mount holes, inside of which is circular and outside of
which is quadrilateral, to thereby make mounting of
equipments easy with the use of square neck bolts. ~~Further,~~
~~in the invention according to claim 11,~~ In addition, a
formed side is provided to be contiguous to a draining
portion and parallel to the cabinet outer wall such that
connection of cabinets is made easy.

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Please amend the paragraph at page 29, line 27, to page 30,
line 4, as follows:

A vertical frame ~~according to the invention of claim 12~~
is provided with draining sides, which abut obliquely
against the outer walls, so that contact pressure can be
made small to advantageously provide a sure waterproof
sealing with forces of a small magnitude and ensure water
holding portions. And formed sides are provided to be
disposed further inward than the draining sides and in
parallel to the outer walls, whereby mounting of connection
metal fittings and outer walls is advantageously made easy.
~~According to the invention of claim 13, an~~ An oblique side
is provided to distend outward, thereby giving an advantage
that strength can be enhanced and interference is hard to
generate when bolts or the like are mounted on the frame
body.

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Please amend the paragraph at page 30, lines 6-10 as follows:

~~According to the inventions of claims 14 and 15, ends~~
Ends of frames are joined together by means of welding and fasteners, whereby locations of welding can be reduced while preserving strength, the assembling workability is improved, and cost reduction can be achieved.

Please amend the paragraph at page 30, lines 11-13, as follows:

Also, ~~according to the invention of claim 16,~~ the frame outer side portion is joined by welding, so that the waterproof property can be enhanced.

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Please amend the paragraph at page 30, lines 14-22, as follows:

~~According to the inventions of claims 17 and 18, the~~
The recessed portion of the frame, into which a sander for treatment after welding is hard to enter, is secured by rivets, so that workability is improved. ~~According to the inventions of claims 19 and 20,~~ And enhancement of strength can be made compatible with reduction of welds by the use of a frame, in which recessed portions are formed in a frame inner side portion and a frame outer side portion, respectively.

Please amend the paragraph at page 30, lines 23-28, as follows:

~~According to the inventions of claims 21 and 22, the~~
The recessed portion formed on the frame outer side portion serves as a draining portion and is secured at a bottom portion thereof by a rivet or rivets and welded at side walls thereof, so that workability and waterproofness can be made compatible with each other.